

Ref

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

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## OPINION 348

Suppression, under the Plenary Powers, of the generic name *Titania* Meigen, 1800, for the purpose of validating the generic name *Chlorops* Meigen, 1803 (Class Insecta, Order Diptera)



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 348

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*Secretary* : Mr. Francis Hemming (*London, England*) (27th July 1948)

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(arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

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Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

## OPINION 348

### SUPPRESSION UNDER THE PLENARY POWERS OF THE GENERIC NAME "TITANIA" MEIGEN, 1800, FOR THE PURPOSE OF VALIDATING THE GENERIC NAME "CHLOROPS" MEIGEN, 1803 (CLASS INSECTA, ORDER DIPTERA)

**RULING** :—(1) The following action is hereby taken under the Plenary Powers :—

- (a) The generic name *Titania* Meigen, 1800, is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy ;
- (b) The generic name *Chlorops* Meigen, 1803, is hereby validated ;
- (c) The nominal species *Musca pumilionis* Bjerkander, 1778, is hereby designated as the type species of the genus *Chlorops* Meigen, 1803.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 868 : *Chlorops* Meigen, 1803 (gender : feminine) (type species, by designation under the Plenary Powers under (1)(c) above : *Musca pumilionis* Bjerkander, 1778).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the name No. 478 : *pumilionis* Bjerkander, 1778, as published in the combination *Musca pumilionis* (specific name of type species, by designation under the Plenary Powers under (1)(c) above, of *Chlorops* Meigen, 1803).

(4) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 258 : *Titania* Meigen, 1800, as suppressed under the Plenary Powers under (1)(a) above.

## I.—THE STATEMENT OF THE CASE

On 8th November 1945 there was received in the Office of the Commission an application by Dr. Curtis W. Sabrosky (then of the *United States Public Health Service, Malaria Control in War Areas, Manning, South Carolina, U.S.A.* and now of the *United States Department of Agriculture, Agricultural Research Service, Entomology Research Branch, Washington, D.C., U.S.A.*), asking for the use of the Plenary Powers to suppress the generic name *Titania* Meigen, 1800, for the purpose of validating the later name *Chlorops* Meigen, 1803 (Class Insecta, Order Diptera). Subject to the adoption of a minor drafting change agreed upon between the Secretary and Dr. Sabrosky, the application so submitted was as follows :—

**Application for the use of the Plenary Powers to validate  
the generic name "Chlorops" Meigen, 1803  
(Class Insecta, Order Diptera)**

By C. W. SABROSKY

(*United States Department of Agriculture, Bureau of Entomology  
and Plant Quarantine, Washington, D.C.*)

The name *Titania* Meigen is one of the disputed names of Meigen, 1800, declared available in *Opinions* 28 and 152. (For *facsimile*, see 1945, *Bull. zool. Nomencl.* **1** : 155—156). Hendel (1908, *Verh. zool.—bot. Ges. Wien*, **58** : 63) who resurrected the Meigen 1800 paper, stated that *Titania* was equal to *Chlorops* Meigen, 1803, and he was followed in this by Coquillett (1910, *Proc. U.S. Nat. Mus.* **37** : 499—647) and Stone (1941, *Ann. ent. Soc. Amer.* **34** : 415).

2. Except for mere mention in a few lists, and in general papers such as those of Hendel and Stone, the name *Titania* has never been applied in any taxonomic work on the CHLOROPIDAE in the 145 years since its appearance. The name *Chlorops*, on the other hand, has been used constantly since 1803 for a great number of species in every faunal region of the world, and has given its name to the family CHLOROPIDAE. Change of the name to *Titania* would be confusing, undesirable and, in view of the patent error involved, as explained below, particularly inappropriate.

3. The type species of *Chlorops* Meigen, 1803, is considered by the writer to be *Chlorops pumilionis* (Bjerkander, 1778) (= *Musca pumilionis* Bjerkander, 1778), by selection by Westwood (1840), although most

workers have cited the selection of *Chlorops laeta* Meigen, 1830, by Coquillett (1910). The discussion of this question is presented by Sabrosky (1941, *Ann. ent. Soc. Amer.* **34** : 735—765). (For an extract from this paper, see Annexe 1.)

#### HISTORY OF THE NAME *TITANIA* MEIGEN

4. Meigen, 1800 : *Titania* erected. "7 espèces," none mentioned by name.

Hendel, 1908 ( : 63) : *Titania*, 1800 = *Chlorops* Meigen, 1803.

Coquillett, 1910 (*Proc. U.S. nat. Mus.* **37**) : *Titania* = *Chlorops* ; type species of both, *Chlorops laeta* Meigen.

Hendel, 1910 (*Wien ent. Ztg.* **29** : 312) : suggested that *Titania* was more like *Gaurax* than *Chlorops* (two quite different genera, in different subfamilies !).

Duda, 1933 (*Chloropidae*, in "Die Fliegen der palaearktischen Region", Lfg. **70** : 147) : used *Chlorops*.

Stone (1941, *Ann. ent. Soc. Amer.* **34** : 415) : *Titania* recognized, with *Chlorops* as synonym. Type species, *Chlorops laeta* Meigen.

Sabrosky (1941) : *Chlorops* recognized. *Titania* a genus *dubium* on zoological grounds. (For an extract from this paper, see Annexe 2.),

#### *Titania* Meigen, 1800 versus *Chlorops* Meigen, 1803.

5. Hendel (1908 : 63) stated that these names applied to the same genus. The writer believes that this is an untenable position zoologically, for the following reasons :—

- (1) The description of *Titania* will not apply to a single species of *Chlorops*. Hendel (1910) quickly saw his error and his 1908 reference must have been ill-considered.
- (2) There is no basis whatsoever for associating the brief descriptions of *Titania* Meigen, 1800, and *Chlorops* Meigen, 1803. The former was said to have an oblong, obtuse distal antennal segment, with a bearded arista (which fits no *Chlorops* !); the latter, an almost circular segment with naked arista.
- (3) Assuming that the group represented by the name *Titania* Meigen, 1800, appeared somewhere in Meigen's 1803 paper, a comparison of the descriptions shows that there is only one which is



almost identical (*Chamaemyia*), and it is strange indeed that Hensel did not notice it. The three descriptions can be compared as follows :—

<i>Chlorops</i> Meigen, 1803	<i>Titania</i> Meigen, 1800	<i>Chamaemyia</i> Meigen, 1803
Die Fühlhörner zweigliederig das vorderste Glied fast kreisrund, flach mit nackter Borste an der Wurzel	Antennes à deux articulations la seconde oblongue, obtuse garnie à la base d'un poil barbu	Die Fühlhörner senkrecht, zweigliederig das vorderste Glied länglich, flach mit einer haarigen Borste an der Wurzel
Die Stirne breit, ungestreift	Front large	Die Stirne breit, ungestreift
Der Hinterleib flach, nakkt	Corps glabre, plat	Der Hinterleib feinhaarig oder nakkt
Die Flügel parallel	Ailes croisées	Die Flügel parallel

6. It is obvious that the non-essential details are alike for the three ; in the only critical points given, *Chlorops* and *Titania* are dissimilar, but *Titania* and *Chamaemyia* are the same. The two new points in the 1803 description ("senkrecht" antennae and "ungestreift" front) were applied to several genera in the 1803 paper but not in the 1800 paper, and thus were characters that Meigen added apparently as the result of later study. Even though it would appear that a mistake was made, it would certainly serve no good purpose even to consider replacing *Chamaemyia*, nor would any good result from overthrowing the properly established and well-known *Chlorops*.

7. Therefore, (1) because the name *Titania* has never been applied in the entire literature on CHLOROPIDAE :

(2) because its adoption would overthrow a long established name for a large and cosmopolitan genus used as the root of the family name ; and

(3) because the name *Titania* was patently associated with the wrong genus of Meigen, 1803,

It is respectfully requested that the International Commission on Zoological Nomenclature :

(i) acting in virtue of their Plenary Powers should suspend the *Règles* and :

(a) suppress the name *Titania* Meigen, 1800, for all purposes other than Article 34 ;

(b) validate the name *Chlorops* Meigen, 1803, and

- (c) designate *Musca pumilionis* Bjerkander, 1778, as the type species of *Chlorops* Meigen, 1803 ;
- (ii) place the name *Chlorops* Meigen, 1803, with the above species as type species, on the *Official List of Generic Names in Zoology*.

### Annexe 1

Extract from a paper by Sabrosky (C.W.), 1941, *Ann. ent. Soc. Amer.* 34 : 740

*Chlorops* Meigen, 1803, Mag. f. Insekt. (Illiger) 2, p. 278. No species. 1830, Syst. Berschr., 6, p. 140. Sixty species. Type, *Chlorops pumilionis* (Bjerkander) (= *Musca pumilionis* Bjerkander, 1778) as *Chlorops lineata* Fabricius, the twenty-first species. (By designation by Westwood, 1840, p. 147, referred to in error as "*C. pumilionis* L.>"). Synonyms : *Oscinis* Latreille, 1804 (isogenotypic). *Cotilea* Lioy, 1864.

For many years, *Chlorops* and *Oscinis* were regarded as synonymous. In his studies of the Palaearctic Chloropidae, however, Duda (1933) separated them on the character of the haired vs. bare mesopleura of what he regarded as their respective genotypes. The controversy affects the generic name of hundreds of species in all faunal regions.

Coquillet (1910), Malloch (1913, 1931, 1938), Duda (1933) and others have accepted *Chlorops laeta* Meigen as the genotype of *Chlorops*, by designation of Rondani (1856, p. 125). They have overlooked the prior designation by Westwood (1840) cited above. Under the Code (*Opinion* 71) Westwood's designations are available if the species were originally included. The species in question *C. pumilionis*, was included by Meigen in the synonymy of *C. lineata* (Fabricius), and was also represented in Meigen (1830) by the synonymous names, *C. nasuta* Schrank, the fifth species, and *C. taeniopus* Meigen, the ninth species. The present synonymy as accepted by Duda (1935, p. 192) is as follows :

- Chlorops pumilionis* Bjerkander, 1778 (*Musca*)  
 = *Musca lineata* Fabricius, 1781.  
 = *Musca nasuta* Schrank, 1781.  
 = *Chlorops taeniopus* Meigen, 1830.

It is true that Westwood credited *pumilionis* to Linnaeus on p. 147, but this is an apparent lapse, for in other parts of his work (e.g. on p. 574) he discussed the species and referred to it properly as of Bjerkander, 1778.

Since *Chlorops* and *Oscinis* are found to have the same species as genotypes, the latter name must fall as an absolute synonym. Of

recent workers, both Balachowsky and Mesnil (1935, *Les Insectes nuisibles aux plantes cultivées*, I, p. 935) and Collin (1939, *Ent. Monthly Mag.*, LXXV, p. 152) have recognized this fact. *Chlorops* in the sense of Duda (including species with hairs on the mesopleura, as in *laeta*) is thus left without a name. No name will be proposed here, however, because the validity of the grouping is doubtful. Collin (1939, loc. cit.) comments that "Duda's character for the subdivision of the genus *Chlorops* does not hold good in all specimens."

## Annexe 2

Extract from a paper by Sabrosky (C.W.), 1941, *Ann. ent. Soc. Amer.* 34 : 747—748.

*Titania* Meigen, 1800, *Nouvelle Classification*, p. 35. No species. *Genus dubium*.

Many authors (e.g. Hendel, 1908 ; Coquillett, 1910) have regarded *Titania* 1800 as identical with *Chlorops* Meigen, 1803, but Hendel (1910, *Wien. Ent. Zeit.*, XXIX, p. 312) suggested that it might be *Gaurax*. From the brief description ("la seconde [antennal segment] oblongue"), it seems not to be *Chlorops* s.str. and probably not *Gaurax*. Since the guesses include two such distinct genera in opposite sub-families, it seems futile as well as dangerous to try to place the name. If we follow the dictum that "no species is available as genotype unless it can be recognised from the original generic publication" (*Opinion* 46), the name *Titania* can never be used, for the description is unrecognisable as it stands.

Under the rule of the first reviser, we should probably have to accept the action of Hendel, 1908 (*Verh. zool.-bot. Ges. Wien* LVIII, p. 63), who stated that *Chlorops* = *Titania*. The genotype of *Chlorops* would thereupon become *ipso facto* the genotype of *Titania* (Article 30, II, f), and the name *Chlorops* would fall as an isogenotypic synonym. Hendel's association of generic names was based in large part upon a comparison of the wording of the generic descriptions in the 1800 and 1803 papers. However, when we compare the descriptions of *Chlorops* and *Titania*, it is difficult to understand how Hendel reconciled them. Under *Titania*, Meigen wrote : "Antennes à deux articulations : la seconde oblongue, obtuse, garnie à la base d'un poil barbu" (a bearded bristle). The description of *Chlorops* 1803 on the other hand is as follows : "Die Fühlhörner zweigliederig : das Vorderste Glied fast kreisrund, flach, mit nakkter Borste an der Wurzel." The error of associating a genus having an oblong distal antennal segment and plumose arista with one having a rounded antennal segment and naked arista was later recognised by Hendel himself (1910, *op. cit.*), when he suggested that *Titania* was more like *Gaurax*. Actually there is little evidence that it is even a Chloropid. The safest course is to regard it as unrecognisable and a *genus dubium*.



## II.—THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application :** On the receipt of Dr. Sabrosky's application the question of the use of the Plenary Powers for the purpose of validating the generic name *Chlorops* Meigen, 1803, was allotted the Registered Number Z.N.(S.) 197.

**3. Issue of Public Notices in 1947 :** In the period 1946-1947 a large amount of material for publication in the *Bulletin of Zoological Nomenclature* had already been for some time in the hands of the printer who was unable to give delivery of proofs owing to difficulties arising from paper rationing, shortage of labour at the works and similar causes. In these circumstances it was judged that no useful purpose would be served by sending further papers to the printer until the arrears in his hands had been cleared off. In order however, to make some progress with the present case and to clear the ground for the proposed use by the Commission of its Plenary Powers at its Session then arranged to be held in Paris in 1948, Public Notice of the possible use of the foregoing Powers in the present case was given on 20th November 1947 in the manner prescribed by the Ninth International Congress of Zoology, Monaco, 1913.

**4. Postponement of the present application at Paris in 1948 :** When the Commission met in Paris in 1948 the time available was so short and so much of it was devoted to the consideration of proposals for the reform of the *Règles* that the opportunities for considering applications relating to individual names submitted by specialists for decision were insufficient to enable the Commission to deal with the whole of the cases then awaiting attention. The present application was one of those which for the foregoing reason was not brought before the Commission at its Paris Session.

**5. Submission of a Supplementary Application in 1950 :** In the period immediately following the close of the Paris Session of the Commission the entire resources of its Office were devoted to the preparation of the Official Records of the Proceedings of the Commission at that Session and it was not until 1950 that it was possible to resume work on applications relating to individual

names. Like all other applications then outstanding, the present application required either to be revised in certain minor respects or to be completed by supplementary proposals in order to bring it into line with certain procedural requirements imposed upon the Commission by the Thirteenth International Congress of Zoology, Paris, 1948. In the present case the additional proposals so required were provided by Mr. Hemming, as the Secretary in the following note :—

It should be noted that the application relating to the generic names *Titania* Meigen, 1800, and *Chlorops* Meigen, 1803, submitted to the International Commission on Zoological Nomenclature by Dr. C. W. Sabrosky, was received in November 1945, and was therefore prepared long before the establishment by the International Congress of Zoology either of the *Official Index of Rejected and Invalid Generic Names in Zoology* or of the *Official List of Specific Trivial Names in Zoology*. If the Commission approve the proposals submitted by Dr. Sabrosky, the action which, under the decisions referred to above, it will be necessary to take will be somewhat more extensive than that indicated in the application, for in addition it will be necessary (1) to place the name *Titania* Meigen, 1800 (consequent upon its suppression under the Plenary Powers) on the *Official Index of Rejected and Invalid Generic Names in Zoology*, and (2) to place the trivial name *pumilionis* Bjerkander, 1778, as published in the binominal combination *Musca pumilionis*, on the *Official List of Specific Trivial Names in Zoology*. The generic names *Titania* and *Chlorops* are both feminine in gender.

**6. Support for Dr. Sabrosky's proposals received prior to the publication of his application :** In 1950 the following specialists submitted statements supporting Dr. Sabrosky's application prior to its publication in the *Bulletin of Zoological Nomenclature* : (1) Mr. H. Oldroyd (*British Museum (Natural History), London*) ; (2) Dr. John Smart (*Cambridge University, Cambridge*). The communications so received are given in the immediately following paragraphs.

**7. Support received from Mr. H. Oldroyd (British Museum (Natural History), London) :** On 28th September 1950, Mr. H. Oldroyd (*British Museum (Natural History), London*) addressed to the Commission the following letter in support of Dr. Sabrosky's application :—

*Use of the names Chlorops and Titania*

The name *Chlorops* is used in the British Museum collection, and generally, I do not know of any author who uses *Titania*.

I think there is no doubt of the fact that *Chlorops* is *Titania*. The later (German) description is almost an exact translation of the earlier French. Neither can honestly be recognized without reference to later work. In 1830 Meigen himself claims *Chlorops* as an earlier name for *Oscinis* and thereby identifies it retrospectively.

**8. Support received from Dr. John Smart (Cambridge University, Department of Zoology, Cambridge):** On 2nd October 1950, Dr. John Smart (*Cambridge University, Department of Zoology, Cambridge*) addressed the following letter to the Commission in support of the present application :—

I am in favour of the suppression of *Titania* Meigen, 1800, and the validation of *Chlorops* Meigen, 1803.

**9. Publication of the present application:** On 7th January 1951, Dr. Sabrosky's application, Mr. Hemming's supplementary proposal, and the communications received from Mr. Oldroyd and Dr. Smart were sent to the printer and on 4th May 1951 these documents were published in Part 5 of volume 2 of the *Bulletin of Zoological Nomenclature* (Sabrosky, 1951, *Bull. zool. Nomencl.* 2 : 134—138 ; Hemming, 1951, *ibid.* 2 : 138 ; Oldroyd, 1951, *ibid.* 2 : 139 ; Smart, 1951, *ibid.* 2 : 139).

**10. Issue of Public Notices in 1951:** Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56) Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given (a) in Part 5 of volume 2 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Sabrosky's application was published) and (b) to the other prescribed serial publications. In addition, such Notice was given to certain general zoological serial publications and to a considerable number of entomological serials in Europe and America. The publication of these Notices elicited support from the following specialists :—(1) Dr. W. Hennig (*Deutsches Entomologisches Institut, Berlin*) ; (2) Professor C. P. Alexander (*University of Massachusetts, Amherst, Mass., U.S.A.*) ; (3) Dr. F. R. Shaw (*University of Massachusetts, Department of Entomology, Amherst, Mass., U.S.A.*). These

communications are reproduced in the immediately following paragraphs. No objection to the action proposed was received from any source.

**11. Support received from Dr. W. Hennig (Deutsches Entomologisches Institut, Berlin) :** On 22nd May 1951, Dr. W. Hennig (*Deutsches Entomologisches Institut, Berlin*) addressed a letter to the Commission in which he opposed proposals which had been submitted by various specialists for the suppression under the Plenary Powers of four of the generic names published by Meigen in 1800 (the names *Tylos*, *Dorilas*, *Philia*, *Tendipes*) but supported Dr. Sabrosky's proposal for the suppression of the name *Titania* Meigen; 1800, in favour of the name *Chlorops* Meigen, 1803. The following is the portion of Dr. Hennig's letter dealing with the names *Titania* and *Chlorops* (Hennig, 1951, *Bull. zool. Nomencl.* 2 : 348) :—

It is quite another situation with *Titania* versus *Chlorops*. *Titania* has never been used in recent publications. Its introduction in the place of the well-known and very important name *Chlorops* would lead, therefore, to considerable disadvantage and confusion, especially in the literature of economic entomology. I think that there will be general agreement in this case with the proposal of Dr. Sabrosky.

**12. Support received from Professor C. P. Alexander (University of Massachusetts, Amherst, Mass., U.S.A.) :** On 8th October 1951 Professor C. P. Alexander (*University of Massachusetts, Amherst, Mass., U.S.A.*) addressed the following letter to the Commission in support of the proposed suppression under the Plenary Powers of the generic name *Titania* Meigen, 1800 and of certain other generic names published by Meigen in his *Nouvelle Classification* (Alexander, 1952, *Bull. zool. Nomencl.* 6 : 172) :—

I have noted the suggestions in various publications regarding the proposed suspension of the rules in various cases. The notice to which I refer specifically is in *The Entomologist*, July 1951, pp. 164—165.

As a dipterist, I would like to vote upon the five names that you mention : that is *Titania*, *Dorilas*, *Tendipes*, *Philia*, and *Tylos*. In all cases I vote most strongly in favour of the 1803 names, which in all but one case are also by Meigen. I feel that these longer—used names—*Chlorops*, *Pipunculus*, *Chironomus*, *Dilophus* and *Micropeza*—should



be retained. It has been argued that a great injustice has been done to Meigen by ignoring the 1800 names. I can never see the justice of such an argument, since, as is well known, Meigen was the first to ignore his 1800 names and replace them with the better known ones in 1803. If the final ruling of the Commission is to recognise the 1803 names in preference to the 1800 ones, I believe that it would establish a precedent whereby all of the (to me) obnoxious 1800 names proposed by Meigen could be discarded. There can be little question that for the past 40 years the recognition of these 1800 names has caused vast confusion. All during my entomological life we have been faced with this situation, and it is greatly to be regretted that firm steps were not taken in the matter some 40 years ago.

**13. Support received from Dr. F. R. Shaw (University of Massachusetts, Department of Entomology, Amherst, Mass., U.S.A.) :** On 10th October 1951 Dr. F. R. Shaw (*University of Massachusetts, Department of Entomology, Amherst, Mass., U.S.A.*) addressed the following letter to the Commission supporting the proposed use of the Plenary Powers to suppress certain generic names, including the generic name *Titania*, published by Meigen in 1800 (Shaw, 1952, *Bull. zool. Nomencl.* 6 : 179) :—

I note in a recent issue of the *Entomologist* a statement asking specialists in Diptera to express their views on the following :—

*Titania* Meigen, 1800, vs. *Chlorops* Meigen, 1803

*Dorilas* Meigen, 1800, vs. *Pipunculus* Latreille [1802—03]

*Tendipes* Meigen, 1800, vs. *Chironomus* Meigen, 1803

*Philia* Meigen, 1800, vs. *Dilophus* Meigen, 1803

*Tylos* Meigen, 1800, vs. *Micropeza* Meigen, 1803.

With no exceptions I would vote against the use of the Meigen, 1800 names. The names in themselves are meaningless and the fact that a later worker set up some type species, concerning which in many cases he knew nothing, would not seem to me to warrant the retention of the 1800 names.

### III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**14. Issue of Voting Paper V.P.(54)24 :** On 6th March 1954, a Voting Paper (V.P.(54)24) was issued in which the Members



of the Commission were invited to vote either for, or against, the proposal "relating to the name *Chlorops* Meigen, 1803, as set out in Dr. Sabrosky's paper (last paragraph on page 136 before the Annexe) in volume 2 of the *Bulletin of Zoological Nomenclature*, as supplemented in the note by Mr. Hemming on page 138 of the same volume" [i.e., as regards Dr. Sabrosky's application, in paragraph 7 of the application reproduced in the first paragraph of the present *Opinion*, and, as regards Mr. Hemming's note, the note reproduced in paragraph 5 of the present *Opinion*].

**15. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 6th June 1954.

**16. Particulars of the Voting on Voting Paper V.P.(54)24 :** The state of the voting on Voting Paper V.P.(54)24 at the close of the Prescribed Voting Period was as follows :—

(a) *Affirmative Votes had been given by the following eighteen (18) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Riley ; Lemche ; Vokes ; do Amaral ; Esaki ; Sylvester-Bradley ; Dymond ; Bonnet ; Boschma ; Hemming ; Mertens ; Pearson ; Bradley (J.C.) ; Hankó ; Stoll ; Cabrera ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned, one (1) :*

Jaczewski<sup>1</sup>.

**17. Declaration of Result of Vote :** On 7th June 1954, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(54)24, signed a Certificate that the Votes cast were as set

<sup>1</sup> An affirmative vote was received (on 1st July 1954) from Commissioner Jaczewski after the close of the Prescribed Voting Period.

out in paragraph 16 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**18. Preparation of the Ruling given in the present "Opinion" :**

On 25th November 1954, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(54)24.

**19. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

- Chlorops* Meigen, 1803, *Mag. f. Insektenk.* (Illiger) 2 : 278  
*pumilionis*, *Musca*, Bjerkander, 1778, *K. svensk. Vetensk.-Akad. Handl.*, Stockholm, 39 : 201  
*Titania* Meigen, 1800, *Nouv. Class. Mouches deux Ailes* : 35—36

**20.** The application dealt with in the present *Opinion* was published in the *Bulletin of Zoological Nomenclature* prior to the establishment of the *Official List of Family-Group Names in Zoology* by the Fourteenth International Congress of Zoology, Copenhagen, 1953. It has not been possible since then to deal with this aspect of the present case. This question is however now being examined on a separate File to which the Registered Number Z.N.(G.) 122 has been allotted.

**21.** At the time of the submission of the original application dealt with in the present *Opinion*, the expression prescribed for the second portion of the binomen which constitutes the scientific name of a species was the expression "trivial name" and the *Official List* reserved for recording such names was styled the *Official List of Specific Trivial Names in Zoology*, the word "trivial" appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the expression "specific name"

was substituted for the expression "trivial name" and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

22. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

23. The present *Opinion* shall be known as *Opinion* Three Hundred and Forty-Eight (348) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Fifth day of November, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**